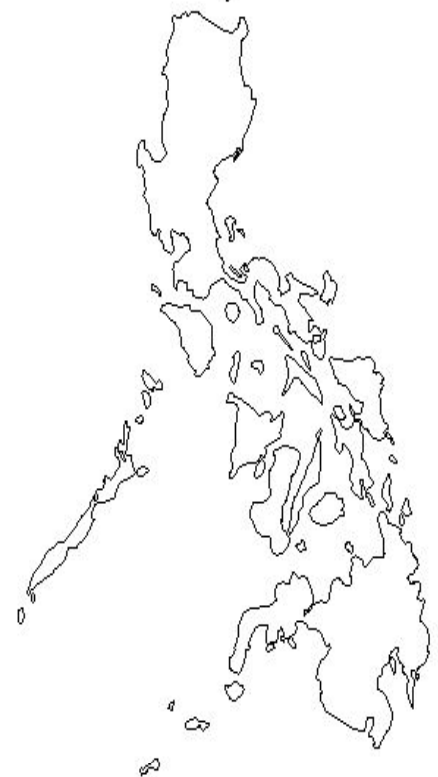
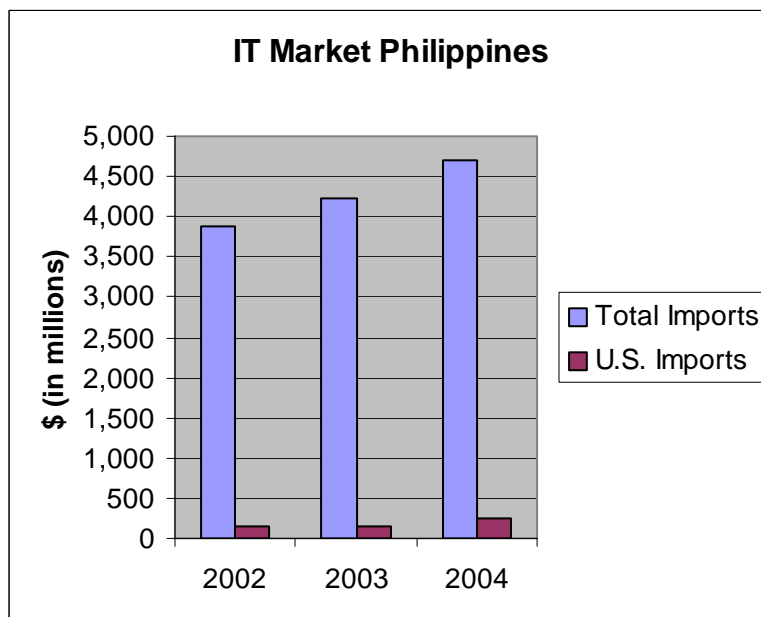




# HARDWARE AND SOFTWARE

## Market Overview

- As of 2004, **PC penetration is 2%** (1.5 million), with 5 million people having Internet access.
- Experts expect **8-10% annual PC and Internet growth** through 2008.
- To drive down end-user costs, Philippine **retailers import parts and accessories** and build custom PCs locally.
- **Customized software** demand is driven by Business Process Outsourcing (**BPO**) and **Telecom** industries.
- Through 2010, **large corporations will** continue to **invest** in hardware and software to improve operational efficiency.
- **US\$4.7 billion hardware and software market** is 95% imported.

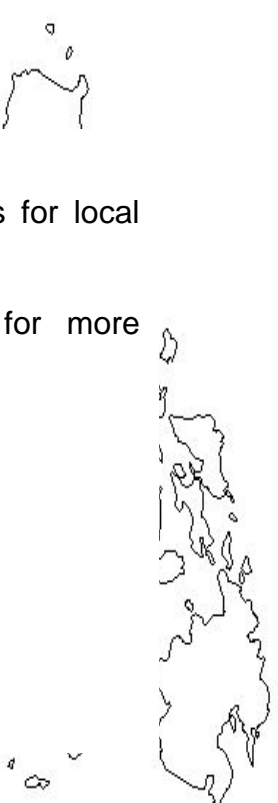


## Sub- Markets and Competition

- **Hardware parts and accessories imports (\$3.9 billion)-** including **used and refurbished parts-** account for the largest IT sub-market and is dominated by the **Japan and Hong Kong**.
- **Tremendous growth in outsourcing**, specifically in IT-enabled services or call centers continues to drive software and hardware demand.
  - ✓ The Philippines ranks second to India with **200 call centers**, 60 of which handle international calls.
  - ✓ **Customer Relationship Management (CRM)** solutions will be needed through 2010 to meet call center requirements.
- Strong growth of cellular mobile **telecommunications** continues to drive demand for **specialized software applications** to manage subscriber analysis, mobile networks, billing and messaging platforms.
- Demand continues to grow among corporations for **custom software** and web development; database design and development; and network applications.
- Demand is growing at large, mature companies for **ERP** solutions relating to human resources management and inventory control and management.

## Commercial Opportunities

- In the hardware market,
  - ✓ U.S. exporters should consider exporting used or refurbished accessories for local assembly.
  - ✓ Popularity of online gaming and Internet Cafes is driving demand for more sophisticated hardware to support increased audio and video requirements.
  - ✓ Demand for high-end servers by call centers and corporations is on the rise.
- In software, sales prospects include:
  - ✓ CRM and ERP software for call centers and corporate applications
  - ✓ Specialized software for call centers and mobile telephone operators
  - ✓ Web development and network application tools.



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